

Charles Riser Line Guards

Protection and Organization for Overhead to Underground Utility and Communications Vertical Pole Lines



Charles Riser Line Guards provide total protection of copper, fiber, and coaxial cables attached to utility and communication poles, a necessary network component that is particularly vulnerable to accidental damage leading to both safety hazards and service interruptions. A small investment in riser protection helps avoid damage caused by impact, mowing equipment, and other accidental cutting; and eliminates costly truck rolls for repair. With next generation wireless small cell deployments bringing networking equipment closer to residential neighborhoods, Charles Riser Line Guards also help create an aesthetically pleasing installation of the lines and ground wires; resulting in greater acceptance by neighboring households and businesses.

Riser components are constructed from molded and extruded polyethylene for superior environmental protection. This material composition is lightweight, non-corrosive, and impact and chemical resistant. They provide a long, maintenance-free service life and are resistant to color fading, cracking, and distortion caused by prolonged exposure to the elements, even in cold weather.

Charles Riser Line Guards are available in 2", 3", 4" and 5" diameters in 5 ft. sections with one belled end for quick installation and protection of overlapping joined ends. Risers may be placed directly over cables, eliminating cable pull-through. Pre-drilled lag screw holes are evenly spaced on flared sides for secure mounting to wooden poles. The "U" shape design of the riser guard hugs the utility pole and provides a larger usable interior space than round riser systems, often allowing a smaller diameter riser guard to be utilized than a competitive round riser diameter. Outer surfaces feature molded-in ribs that allow technicians to maintain a tight grip while handling the riser.

Available accessories include boots, adapters, couplers, backing plates and fastener kits. Boots and adapters feature a multi-tiered design to universally fit over various riser sizes. Couplers have double belled ends and are especially useful for quick riser repairs without disturbing placed cables. Backing plates isolate the cable from the pole, creating a complete plastic enclosure for cables. Fastener kits include 1/4" hex-head galvanized lag bolts.

Applications

Non-conductive protection of overhead to underground transitions, including:

- Wireless 4G/5G equipment shrouds/cabinets to antennas
- Fiber optic cables and pole mounted enclosures
- Coaxial CATV Broadband Cables
- Ground Wires
- Power Lines



Specifications



RISER LINE GUARDS

5' sections, cut to fit,
one belled end



COUPLERS

Double belled,
useful for repairs



BACK PLATES

Mount to pole, insulate lines,
prevent snags



ADAPTERS & BOOTS

Join differently sized risers,
cut to size

RISER LINE GUARD KITS

Part #	Size	Length	Kit Qty.	A	B	C	D
12-20510/6	2"	60"	6	.125"	2.375"	4.5"	2.375"
12-30510/6	3"	60"	6	.125"	3.500"	6.0"	3.500"
12-40510/6	4"	60"	6	.125"	4.500"	6.5"	4.500"
12-50510/6	5"	60"	6	.125"	5.500"	7.0"	5.500"

BACK PLATE KITS

Part #	Size	Length	Kit Qty.	A	B
12-20510BP/6	2"	60"	6	2.250"	2.0"
12-30510BP/6	3"	60"	6	3.375"	3.0"
12-40510BP/6	4"	60"	6	4.375"	4.0"
12-50510BP/6	5"	60"	6	5.375"	5.0"

COUPLERS

Part #	Size	Length	Kit Qty.	A	B	C	D
12-2XXCPLR	2"	12"	—	.125"	2.375"	4.5"	2.375"
12-3XXCPLR	3"	12"	—	.125"	3.500"	6.0"	3.500"
12-4XXCPLR	4"	12"	—	.125"	4.500"	6.5"	4.500"
12-5XXCPLR	5"	12"	—	.125"	5.500"	7.0"	5.500"

ADAPTERS & BOOTS

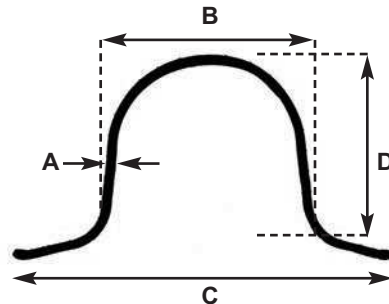
Universal adapter joins 2"-4" riser to different size diameter riser guard. Boot accepts 2" to 6" risers for transition to buried conduit. Both may be cut to size.

Part #	Size	Length
12-234ADPTR	2"-4"	9"
12-23456BOOT	2"-6"	18"

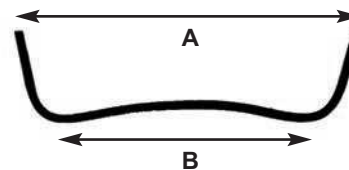
FASTNER KITS

Part #	Description
12-14114G20	Lag Bolts 1/4" Hex, 1 1/4" length, galvanized, package of 20
12-14124G20	Lag Bolts 1/4" Hex, 2 1/4" length, galvanized, package of 20

RISER LINE GUARD DIMENSIONS



BACK PLATE DIMENSIONS



Dependable Solutions, Superior Support

- Field-proven and unequaled 24-hour technical support
- Individualized application consultation
- Superior quality (ISO 9001/TL 9000 registered)

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